

IN THE CLAIMS:

1 1. (Currently Amended) A method for generating and processing data for the display
2 of a stream of video data on a display screen connected to data processing apparatus, said method
3 comprising the steps of:

4 processing a motion picture expert group compliant data stream of video data selected
5 to be viewed by a user in a first format via said apparatus, the largest frames of said video data
6 known as I frames;

7 pre-filling a buffer memory in the apparatus with a first threshold level of video data
8 prior to decoding said video data, the user viewing the same in the first format;

9 ~~generating an altered format for said video data, wherein the altered format is a fast~~
10 ~~cue or fast forward review video display;~~

11 a user selecting with selection means to view said video data in an ~~said~~ altered format,
12 and in response;

13 ~~following the user selection of the altered format;~~ changing the required level of video
14 data to be held in said buffer memory for the altered format to a second threshold level; ~~and~~

15 wherein at the second threshold level the buffer memory substantially accommodates
16 no more video data than that corresponding to a single I frame, plus a small tolerance percentage
17 value;

18 filling the buffer memory with video data corresponding to a single I-frame; and

19 thereby generating an altered format for said video data, wherein the altered format
20 is a fast cue or fast review video display.

1 2. (Previously Presented) A method according to Claim 1 wherein the second threshold
2 level is used in identifying a value of the separation of the encoded frames in the video data bitstream
3 and this value is used as a substitute for various header field values of the motion picture expert
4 group data stream which may be unavailable.

1 3. (Cancelled)

1 4. (Cancelled)

1 5. (Previously Presented) A method according to Claim 1 wherein the second threshold
2 level is set at a value to minimize delay in the transition between the generation of video from the
3 normal and altered video formats.

1 6. (Previously Presented) A method according to Claim 1 wherein the second threshold
2 level of the buffer memory data is estimated by reference to time stamp data transmitted as part of
3 the video data.

1 7. (Previously Presented) A method according to Claim 6 wherein said time stamp data
2 is carried as part of the systems layer and allows data in the other levels to be time synchronized by
3 referring to and retrieving a common reference time from said time stamp data.

1 8. (Previously Presented) A method according to Claim 6 including the use of said time
2 stamp data to estimate the size of the I frame data and hence the second threshold level.

1 9. (Previously Presented) A method according to Claim 1 wherein said video data
2 having been transmitted from a location remote to the apparatus is received by the apparatus.

1 10. (Previously Presented) A method according to Claim 9 wherein said apparatus is a
2 broadcast data receiver connected to receive data from a broadcaster.

1 11. (Currently Amended) A method of generating a video display in a first standard
2 motion picture expert group format and a second user selectable fast forward or fast cue format, said
3 method comprising the steps of:

4 upon user selection of ~~a the~~ fast forward or fast cue format during generation of the
5 display in the first format, obtaining a value indicative of the separation of received encoded frames
6 in a video data bitstream;

7 using said value as a replacement value to indicate a new threshold level of data to
8 be held in a buffer memory device prior to the commencement of the decoding;

9 filling the buffer memory device with video data corresponding to a single I-frame;

10 displaying ~~of the first frames~~ of data for the fast forward or fast cue display; and

11 wherein said new threshold level of data is substantially no more than that
12 corresponding to the single largest frame in said video data bitstream plus a small tolerance
13 percentage value.

1 12. (Previously Presented) A method of generating a video display as set forth in Claim
2 11 including the additional step of referring to time stamp data transmitted as part of said video data
3 to estimate said new threshold level of data.